



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bradley N. Maker

Title: Implicit-Explicit Switching for Finite Element Analysis

Application No.: 09/836,490 Filing Date: April 17, 2001

Examiner: Proctor, Jason Scott Group Art Unit: 2123

Docket No.: LSTC.004US0 Conf. No.: 8530

---

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant calls the documents listed on the enclosed Form PTO-1449 to the Examiner's attention in this patent application.

According to 37 C.F.R. 1.98(2)(ii), copies of the U.S. Patents and U.S. Published Patent Applications documents are not required and are therefore not enclosed. Copies of the listed Other Art are enclosed.

Citation of these documents shall not be construed as (1) an admission that the documents are prior art with respect to the invention or inventions claimed in this application, (2) a representation that a search has been made (other than as indicated by any cited document), or (3) an admission that the cited information is, or is considered to be, material to patentability as defined in § 1.56(b).

Attorney Docket No.: LSTC.004US0  
Express Mail No.: EV663653518US

Application No.: 09/836,490

09836490  
11/09/2005 WABDELR1 00000049 502664  
01 FC:1806 180.00 DA

This information disclosure statement is submitted under 37 C.F.R. § 1.97(c). The Commissioner is authorized to charge the 37 C.F.R. §1.17(p) fee of \$180.00 to Deposit Account No. 502664. The Commissioner is authorized to charge any additional fees that may be required, or to credit any overpayments, against Deposit Account No. 502664.

**EXPRESS MAIL  
LABEL NO:**  
**EV663653518US**

Respectfully submitted,

  
Peter G. Mikhail      November 3, 2005  
Reg. No.: 46,930      Date

PARSONS HSUE & DE RUNTZ LLP  
595 Market Street, Suite 1900  
San Francisco, CA 94105  
(415) 318-1160 (main)  
(415) 318-1163 (direct)  
(415) 693-0194 (fax)

Attorney Docket No.: LSTC.004US0  
Express Mail No.: EV663653518US

Application No.: 09/836,490

U.S. Department of Commerce, Patent and Trademark		Atty. Docket No.	Application No.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		LSTC.004US0	09/836,490
		Applicant(s)	Conf. No.
(Use several sheets if necessary)		Bradley N. Maker	8530
(Form PTO-1449)		Filing Date	Art Group
NOV 03 2005		November 2, 2005	2123

**U.S. Patent Documents**

*EXAMINER Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	1 6,560,570	5/2003	Dohrmann et al.			
	2 6,678,642	1/2004	Budge			
	3 6,785,640	8/2004	Lu et al.			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

	4	"LS-DYNA Keyword User's Manual, Nonlinear Dynamic Analysis of Structures", Livermore Software Technology Corporation, Version 950, May 1999.
	5	Plimpton et al., "Transient Dynamic Simulations: Parallel Algorithms for Contact Detection and Smoothed Particle Hydrodynamics", IEEE, 1996.
	6	LS_DYNA News, "An Information Letter for Users and Applications of LS-SYNA edited by the European LS-DYNA Distributor Group", Issue 3, January 1999.
	7	Stoker, "Development of the Arbitrary Langrangian-Eulerian Method in Non-Linear Solid Mechanics. Application to Forming Processes", University of Twente, February 1999.
	8	Antaki et al., "A Parallel Dynamic-Mesh Lagrangian Method for Simulation of Flows With Dynamic Interfaces", IEEE, 2000.
	9	FEA Information Co., 3rd Issue, December 9, 2000.
	10	Benamou, "An Eulerian Numerical Method for Geometric Optics", Canum, 2000.
	11	Guilkey et al., "An Implicit Time Integration Strategy for Use with the Material Point Method", Elsevier Science Ltd. 2001.
	12	"LS-DYNA Keyword User's Manual, Volume 1", Livermore Software Technology Corporation, Version 960, May 2001.
	13	FEA Information International News, Issue March, 2001.
	14	Maker, "Implicit Springback Calculation Using LS-DYNA," Livermore Software Calculation Using LSDYNA, 5th International LS-DYNA Users Conference, September 21-22, 1998, 1 page.
	15	USPTO Office Action mailed in application number 10/081,387 on August 24, 2005, 14 pages.

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.